

Fig. 1A

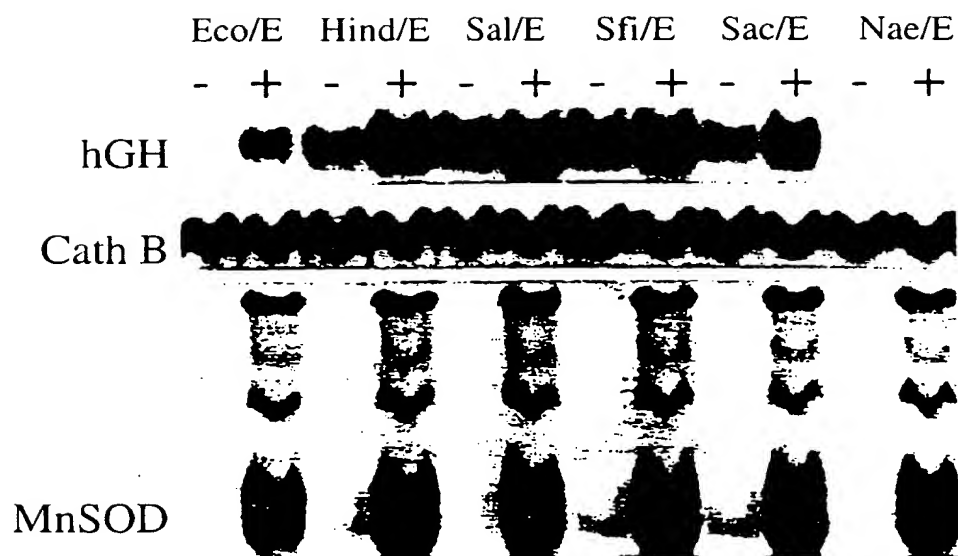


Fig. 1B

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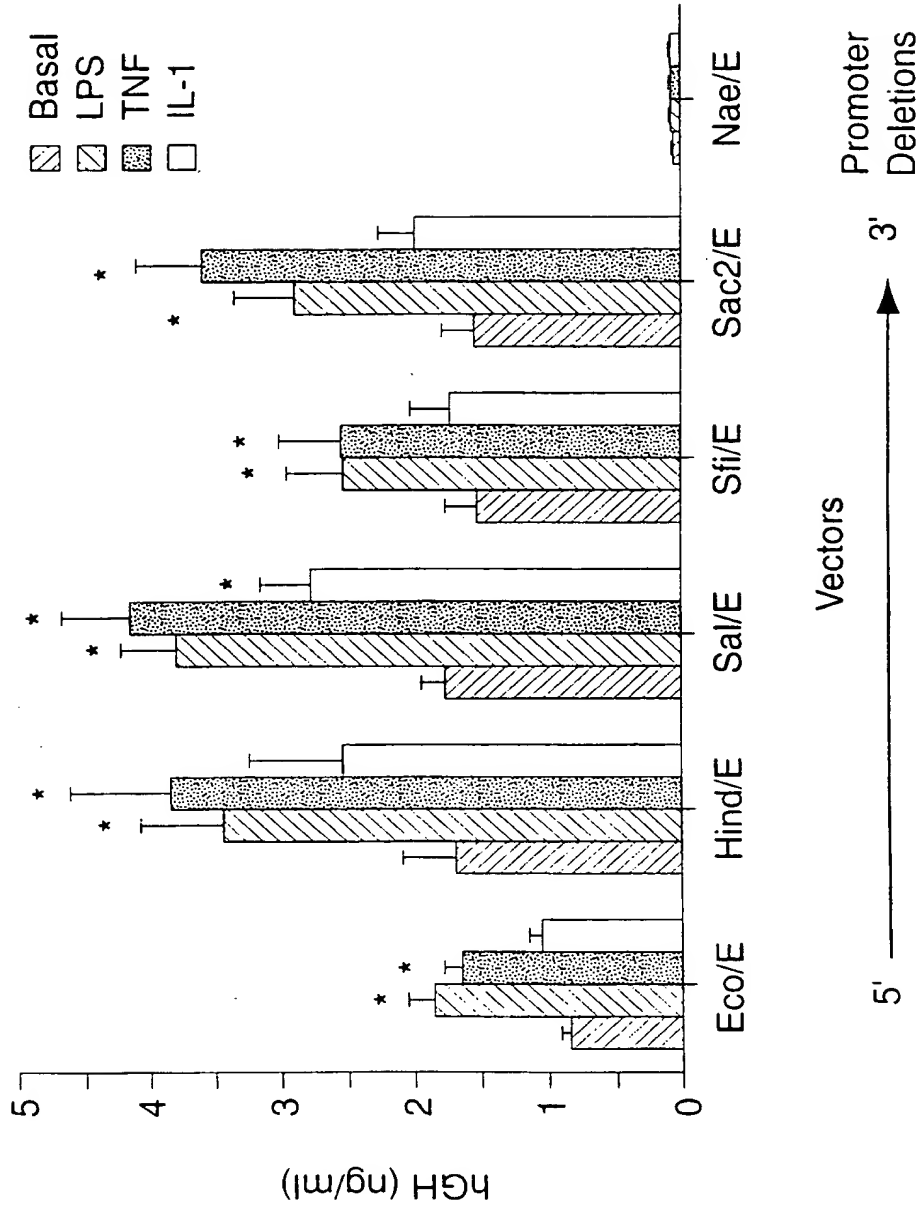


Fig. 1C

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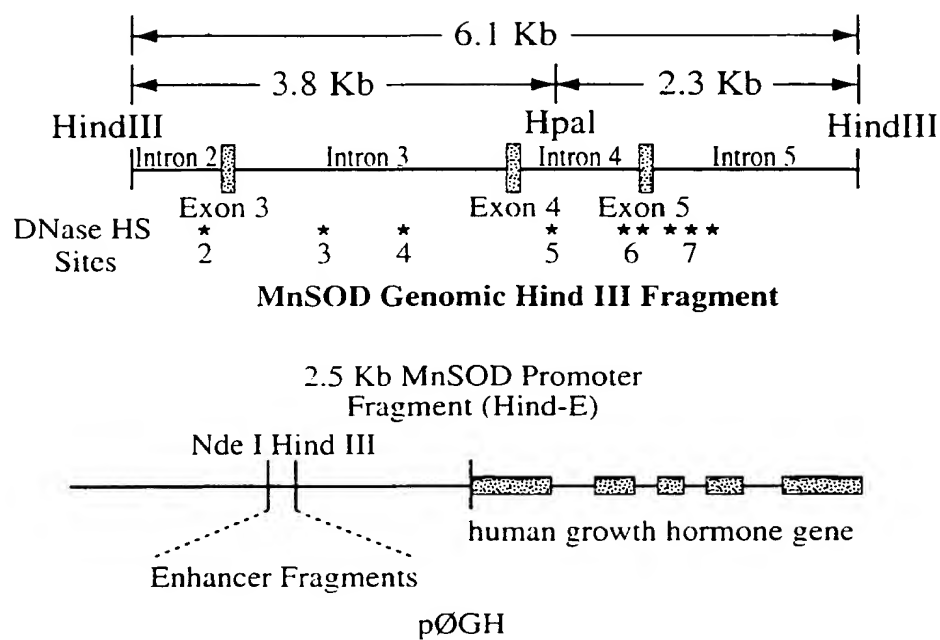


Fig. 2A

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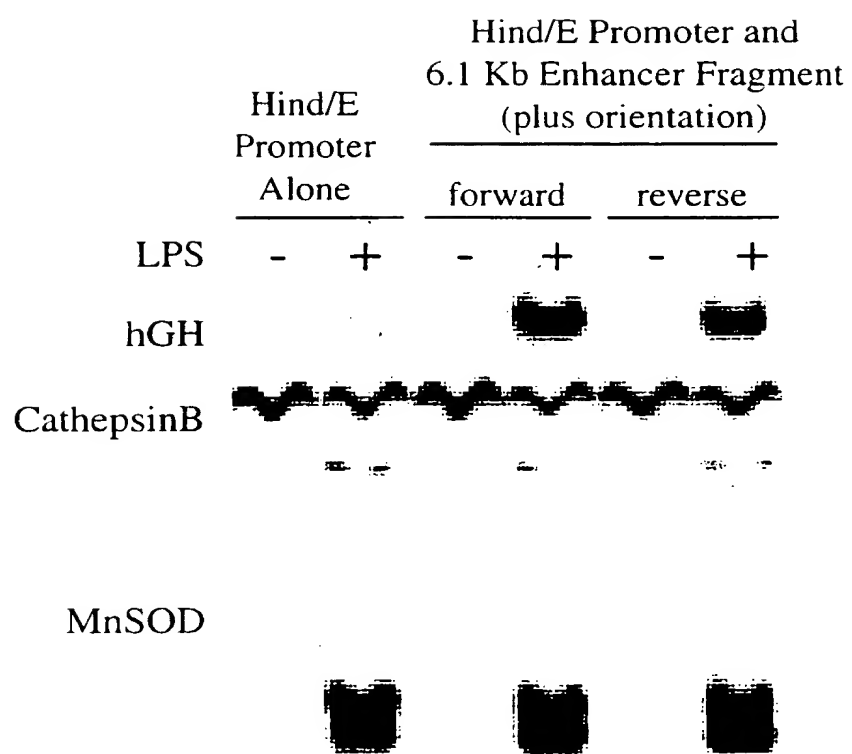


Fig. 2B

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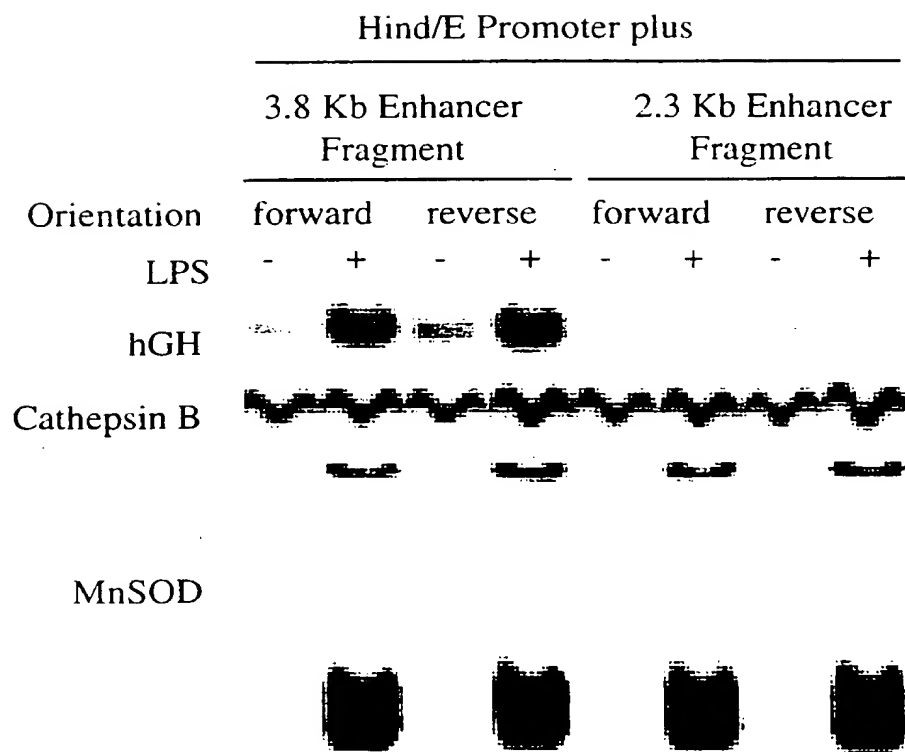
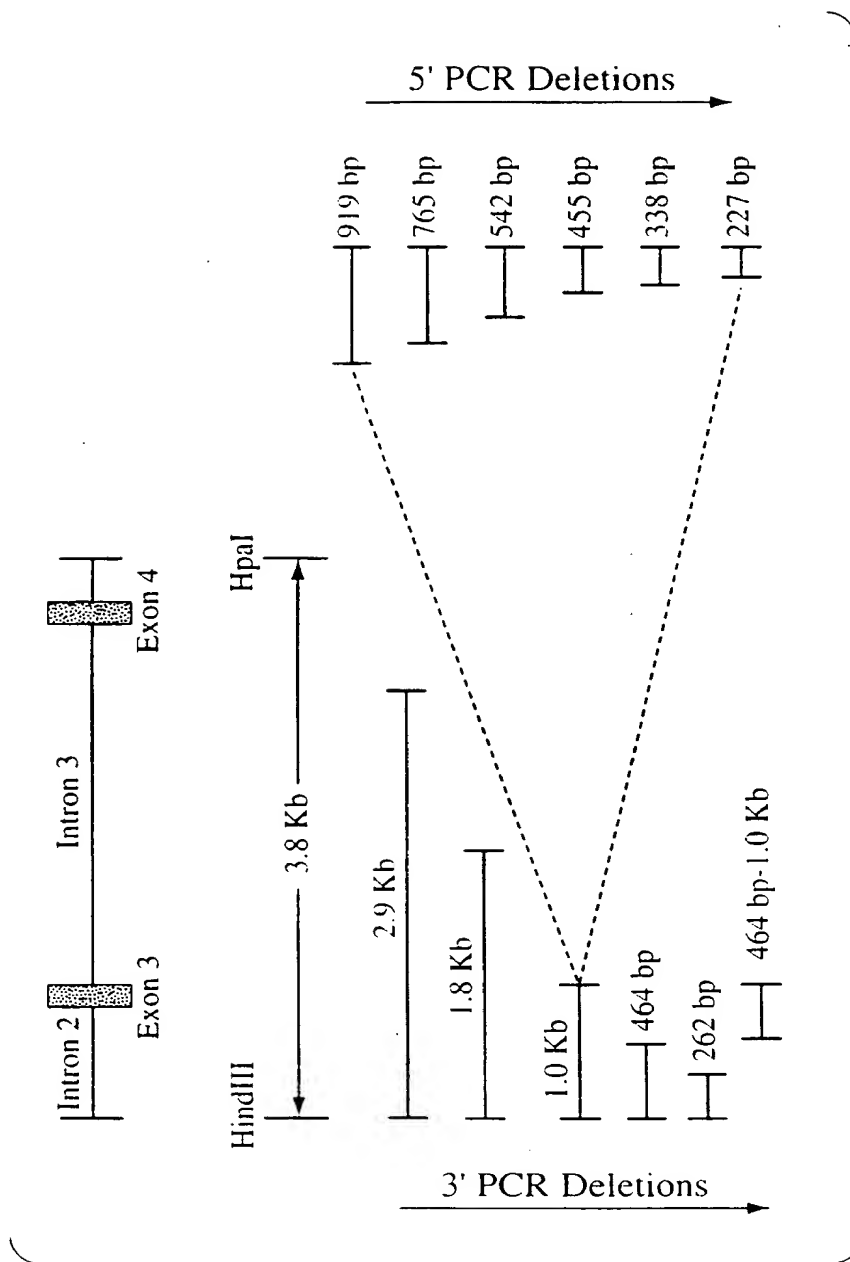


Fig. 2C

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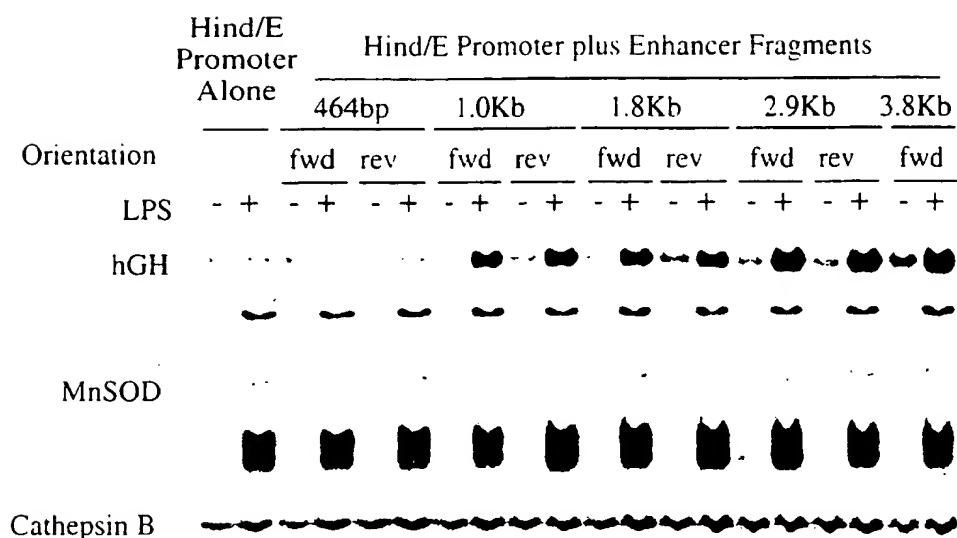


Fig. 3B

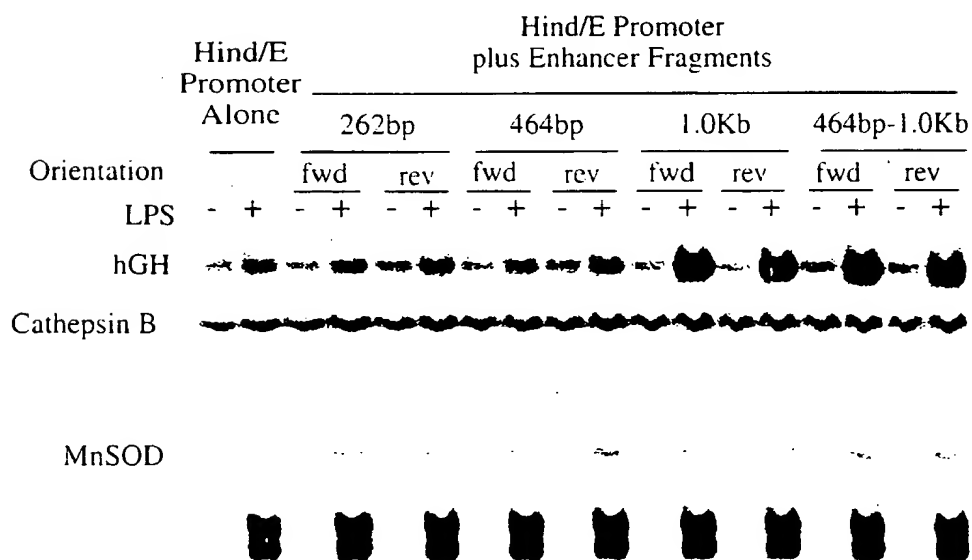


Fig. 3C



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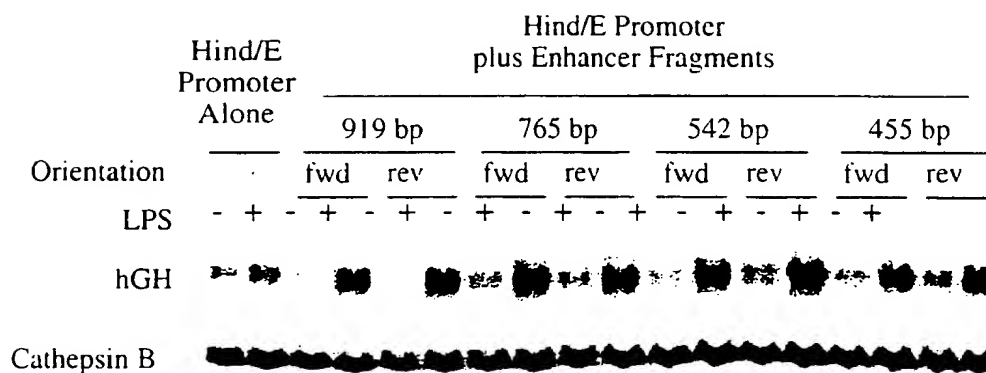


Fig. 3D

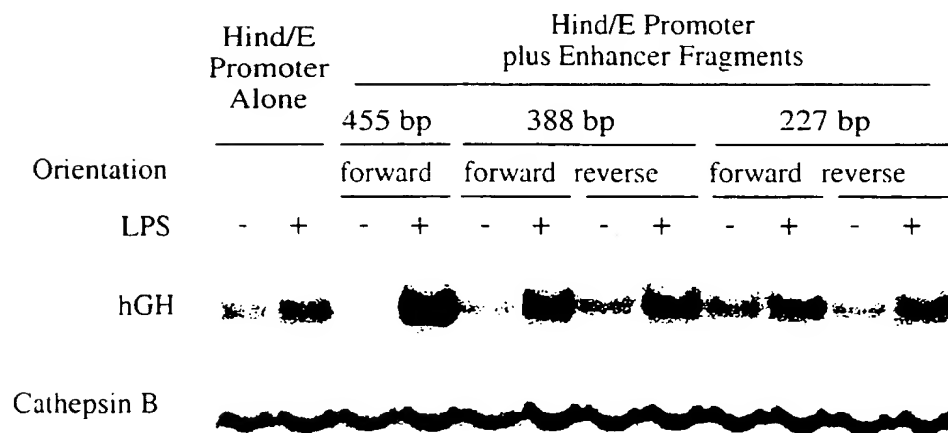


Fig. 3E

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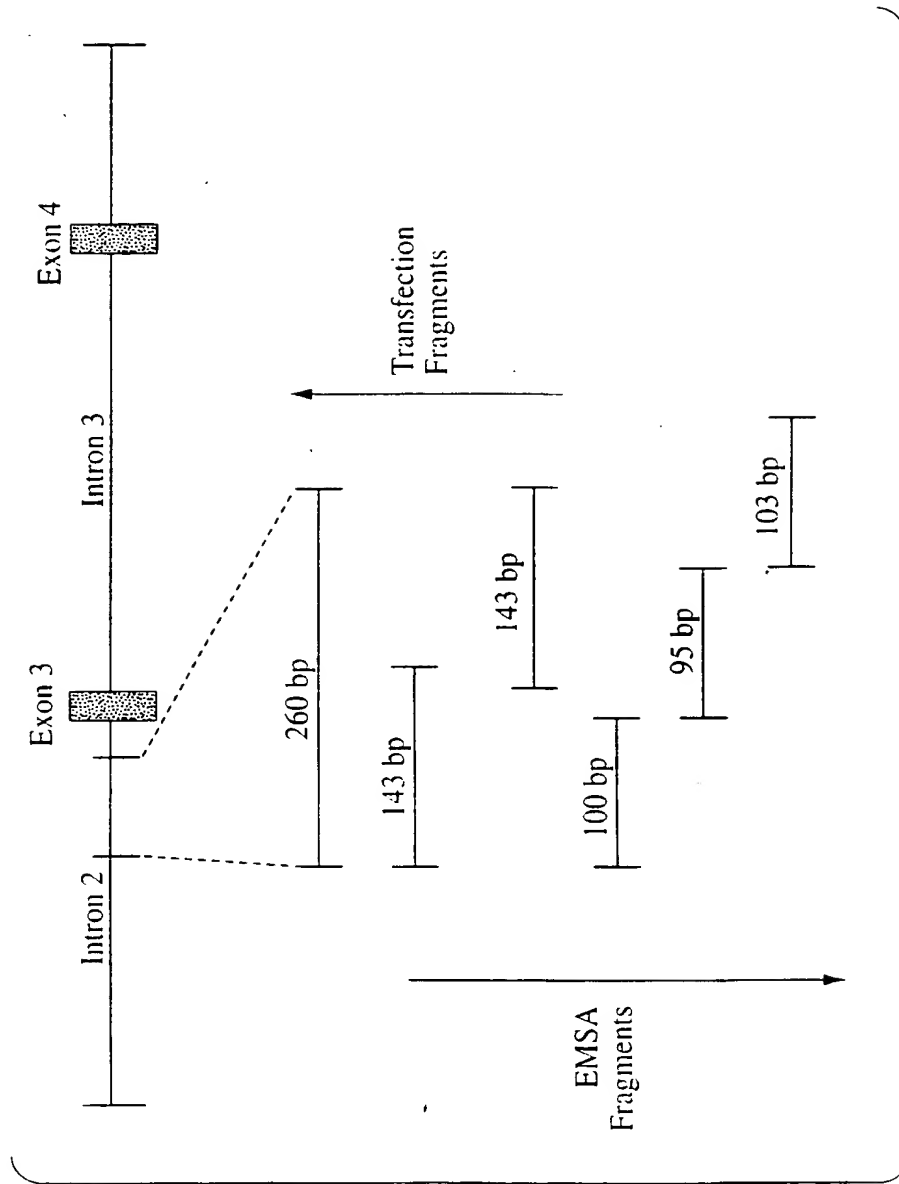


Fig. 4A

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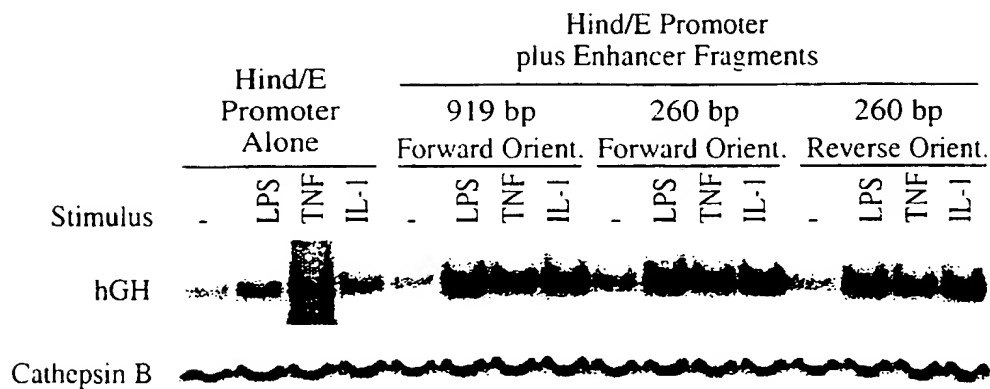


Fig. 4B

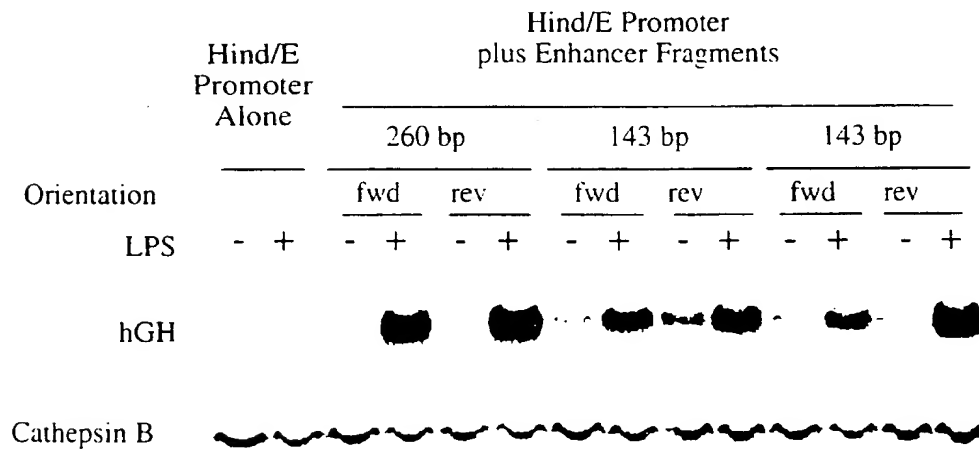


Fig. 4C

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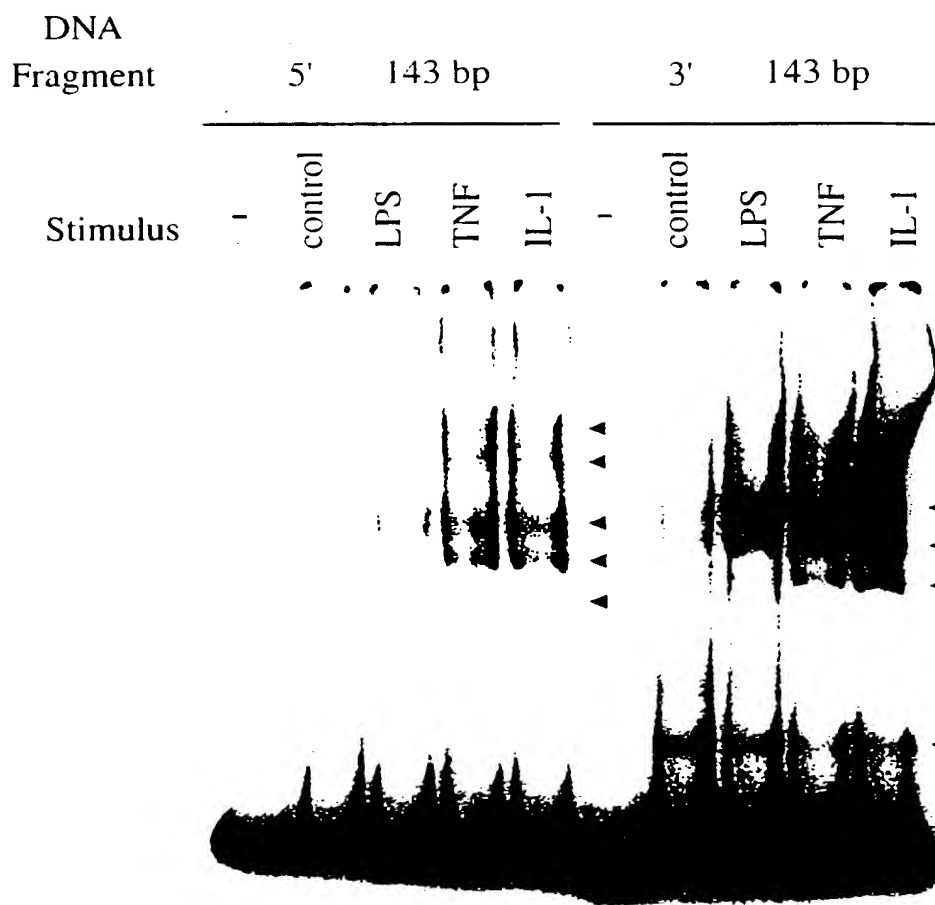


Fig. 4D

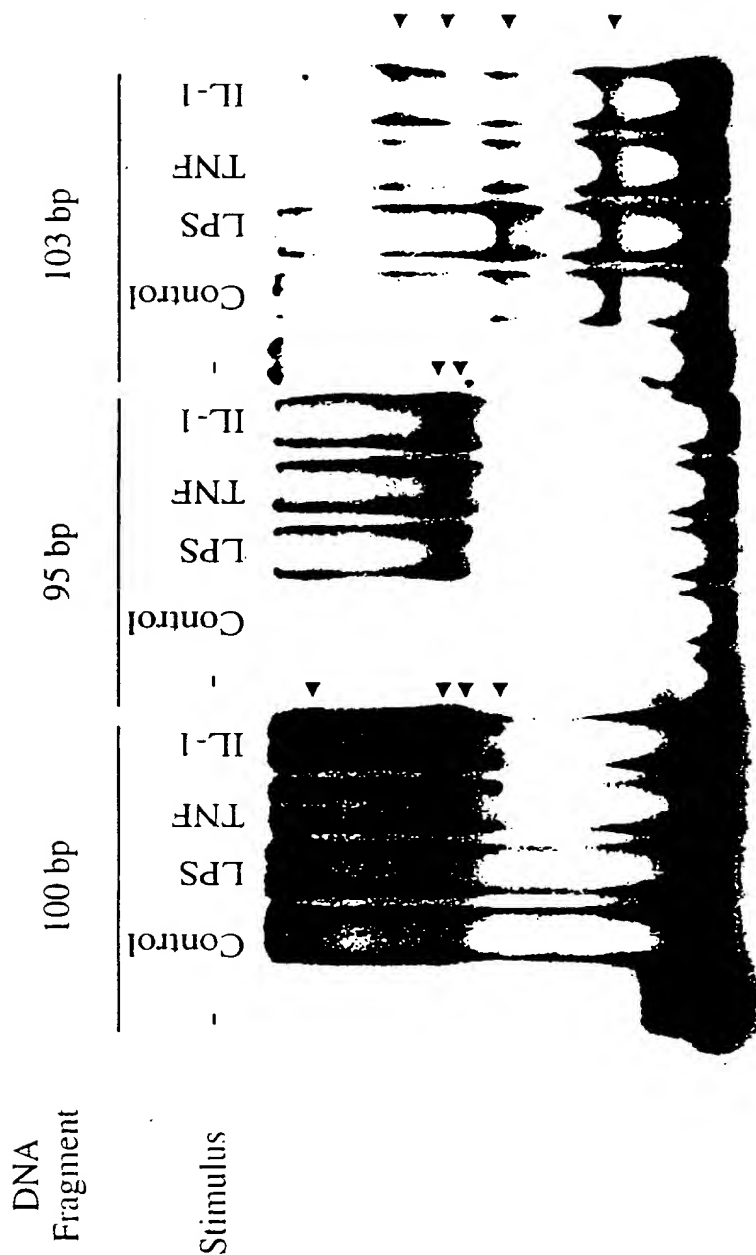


Fig. 4E

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4231  
RAT 4190 GGGGCATCTAGTGGAGAAGTGTGGTATTTTAGCATAGTTGTGAAGTGGCCCAACCAAGAG  
| | | | | | | | | | | | | | | | | | | | | |  
HUM 2577 GAGGCATCTAGTGGAAAAATGCAGTATTTTCAGCCCTGATTGTGTTGAAGTAAATGATTAAAGAG

4251 AAGGAAATTACCACATTTCTGGAAATTTTACTTGCAATAAGCAAAATCACATAATCGTGAATACGGGAAGAGACTC  
| | | | | | | | | | | | | | | | | | | | | |  
HUM 2657 GAGGAAGTTACCACATTTCTGGAAAGATTTACTTGAGACAGACGAACTTGAATACGGGAAAGGCCCCG

4348 4374  
RAT 4325 TGATTAGGAAATGACAGATTTGGGAAGGCTGTGGTAATAGTAGTAGGGGAAAAGCCAGTTGGGAAATCG  
| | | | | | | | | | | | | | | | | | | | | |  
HUM 2711 TGATTAGGAAATAACAAATTTGGGAAACATGTAATGGGGAGAGACTGGGGAATACCCAGTTGTGAAAGTA

4397 TTTCCCTCTAAGGTGACAATCTGACAACTTTCCCTCTTAATGTTGTAAAAACAATGGT  
| | | | | | | | | | | | | | | | | | | | | |  
HUM 2783 CTTCCCTGTAAGGCAACATCTGACACCAGGAACCTTTCTCTTCAGTATTTTAAAA

4491  
RAT 4451 GATTCAACCCCTCCGTGGAGACAGAGCTGTATTTGTTTAGTGAATGCTG  
| | | | | | | | | | | | | | | | | | | | | |  
HUM 2837 ACAACTTAATTCAGTCCTTTACTTGTGGAATCAGAGCCTTACTTATGTAA

Fig. 5

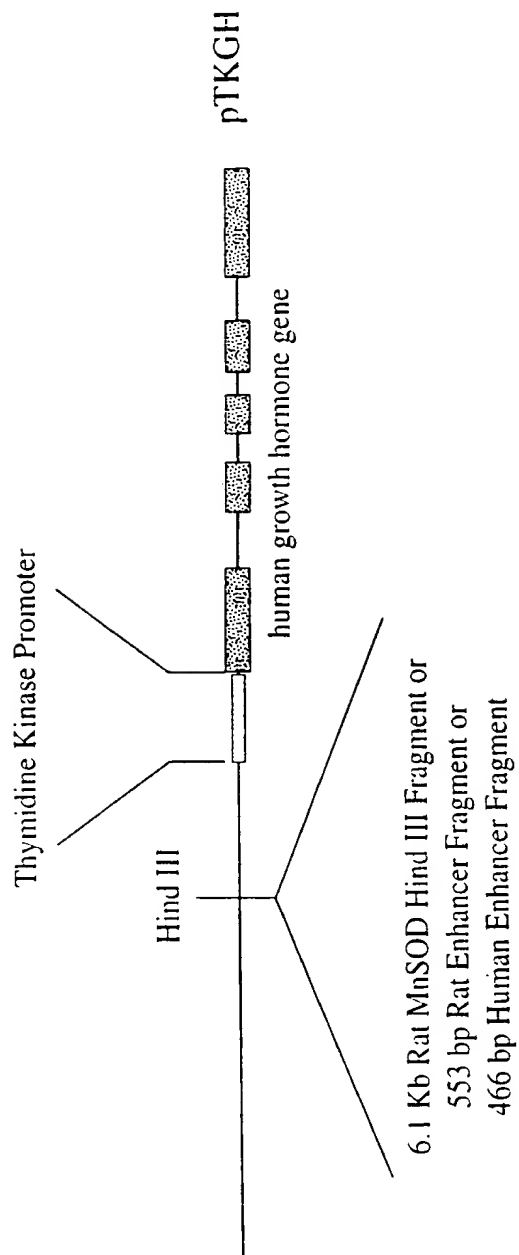


Fig. 6A

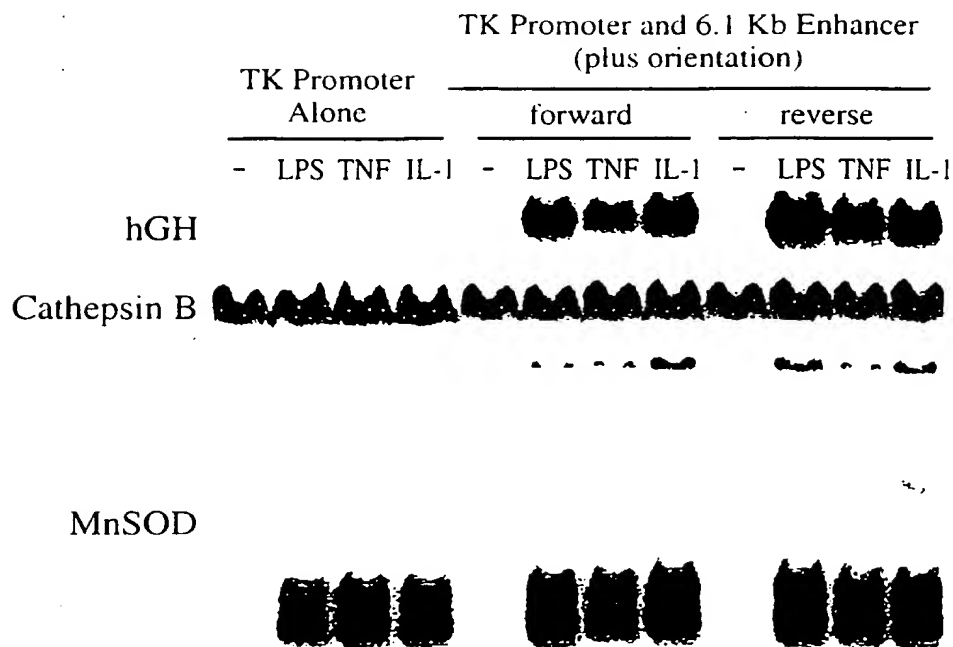


Fig. 6B

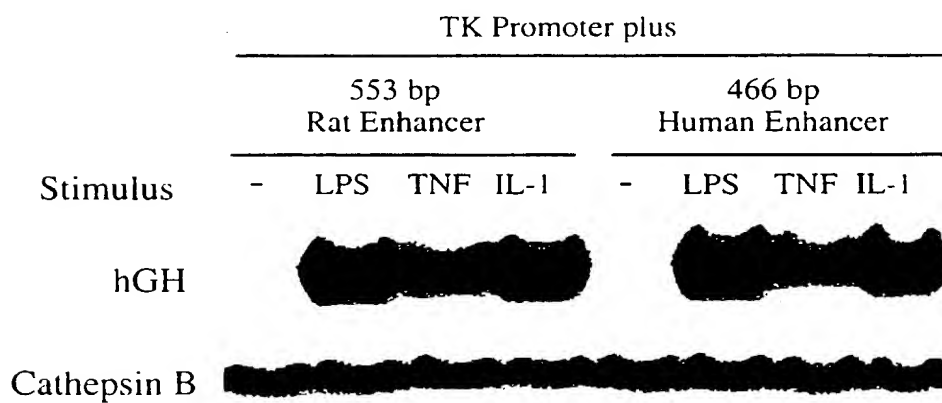


Fig. 6C



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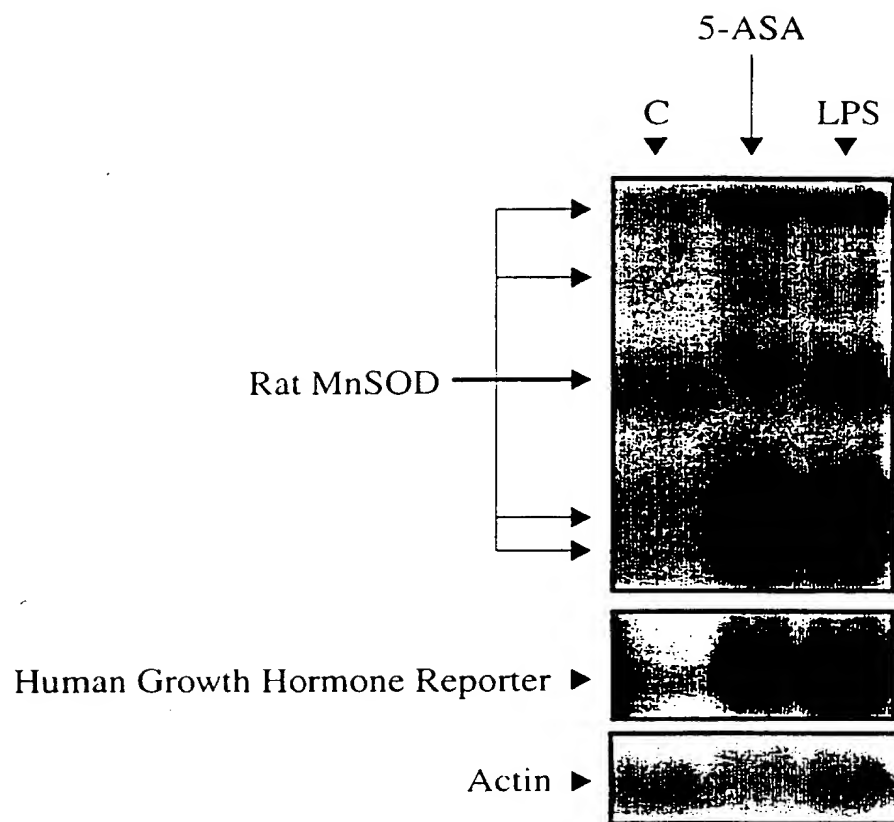


Fig. 7

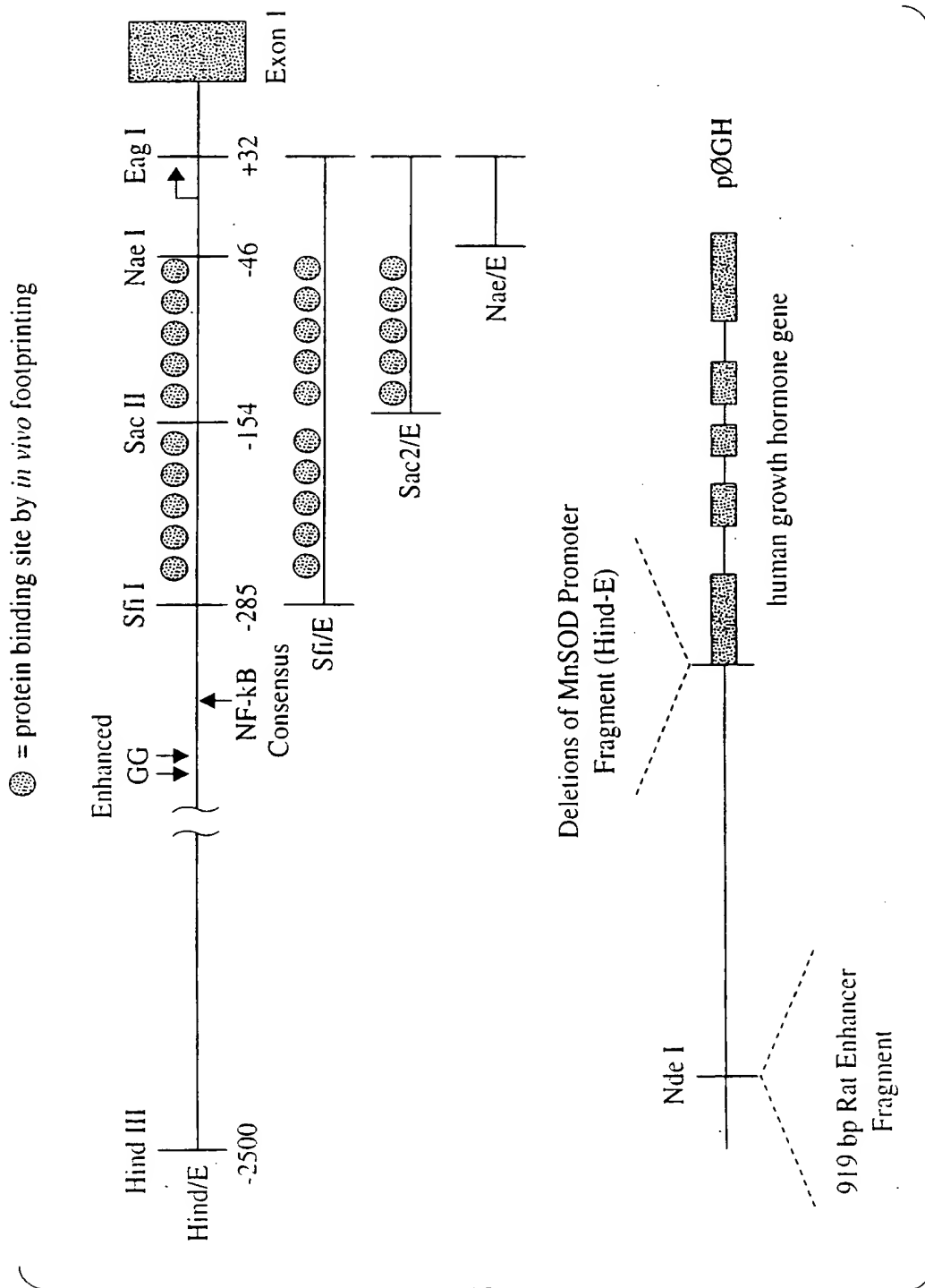


Fig. 8A

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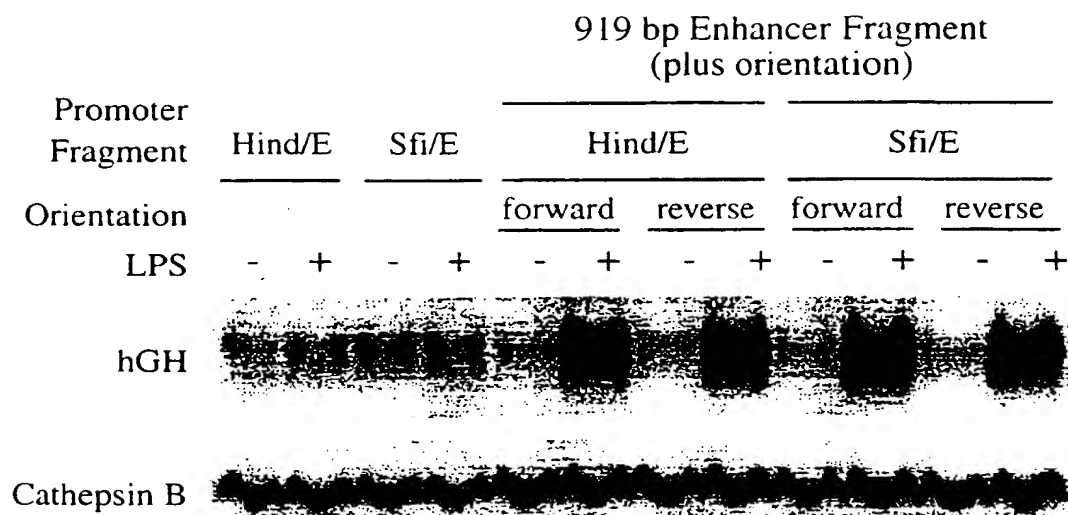


Fig. 8B

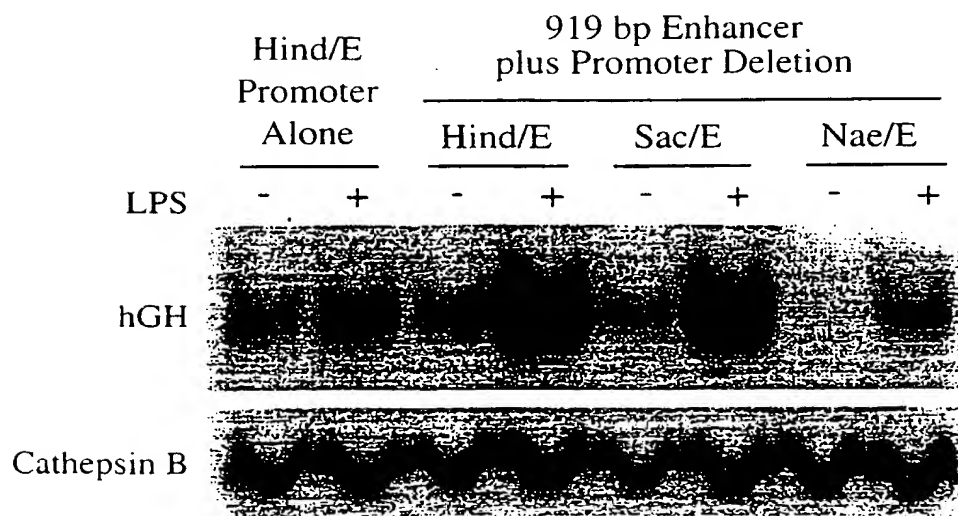


Fig. 8C

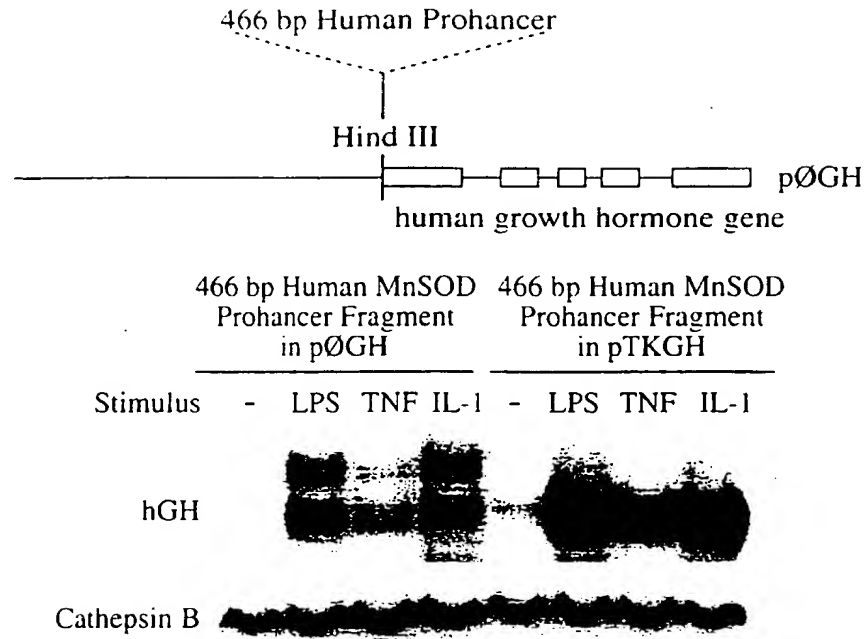


Fig. 9A

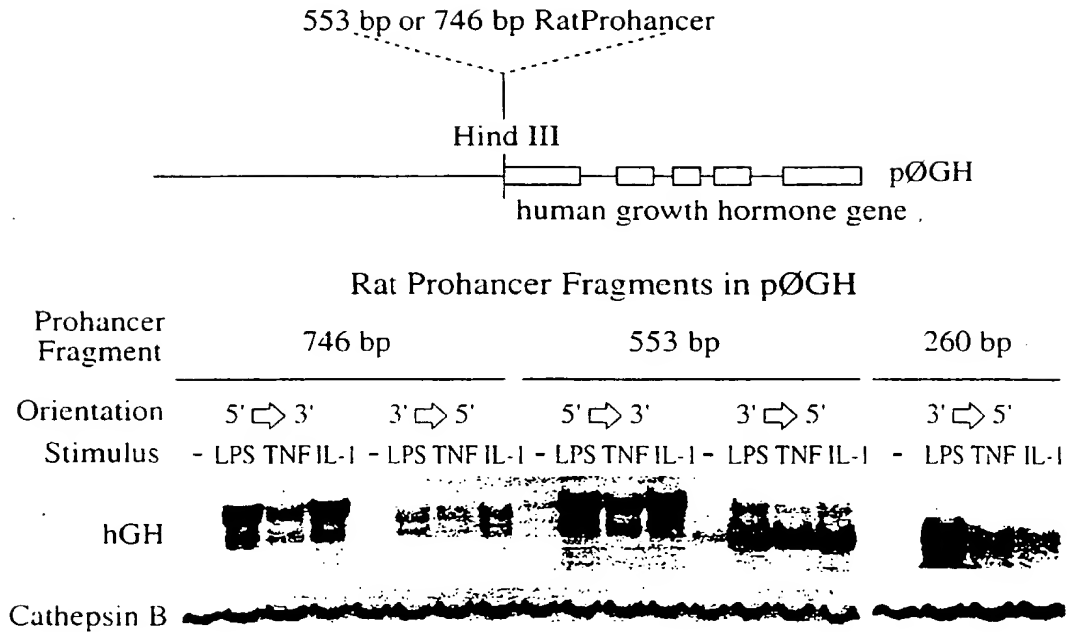


Fig. 9B

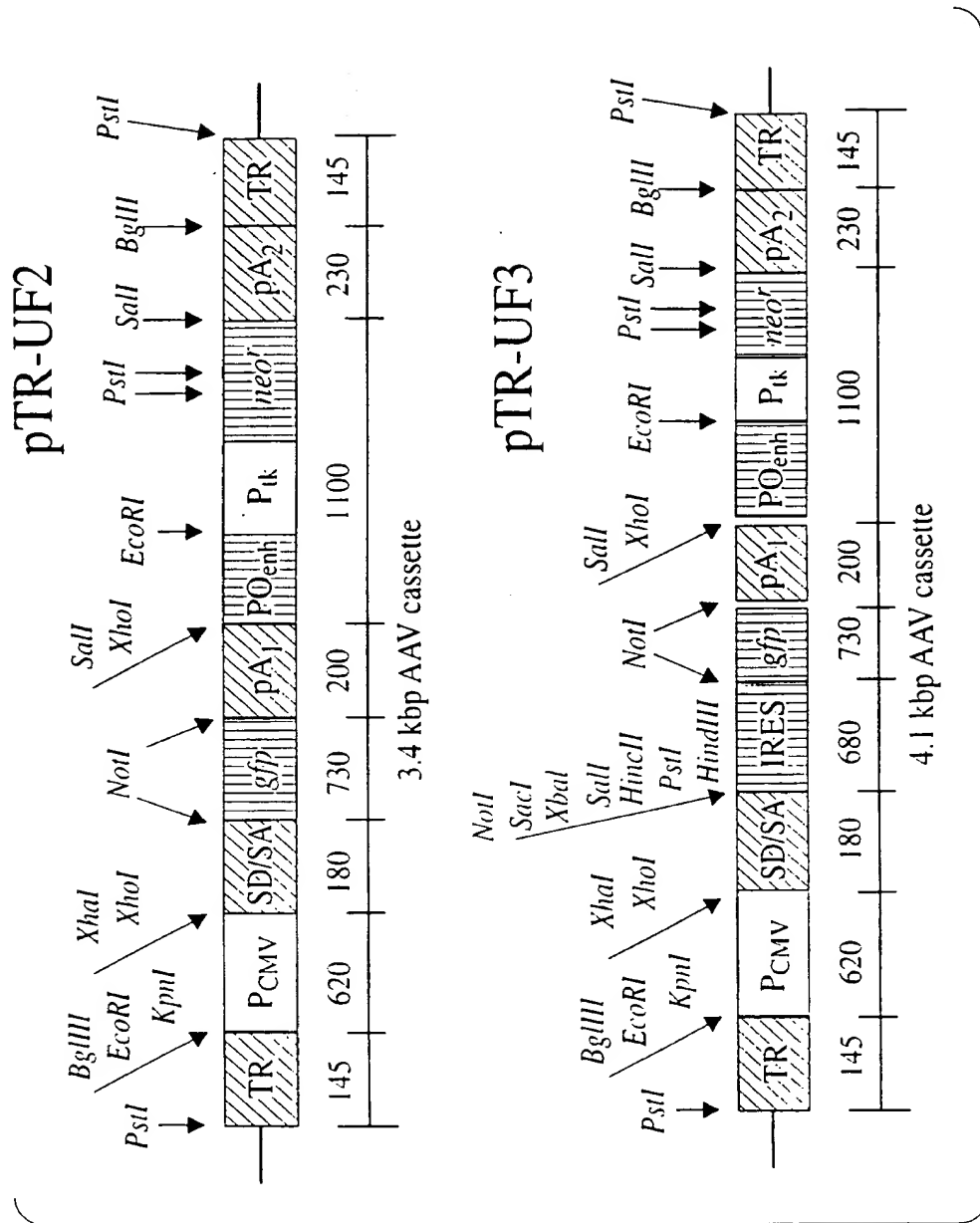


Fig. 10

# CFTR AAV CASSETTES

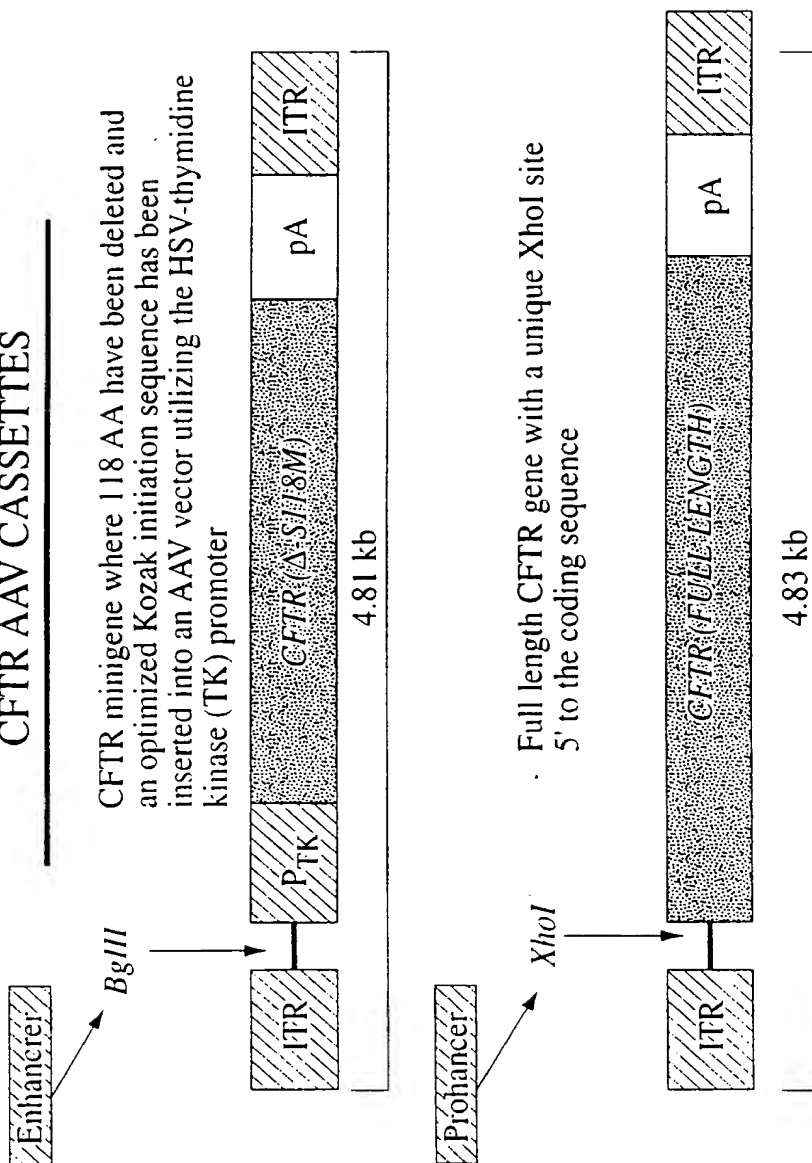


Fig. 11

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## Cellular and Stimulus-Specific Responses of the MnSOD Gene

CELL TYPES	LPS	IL-1 $\beta$	TNF- $\alpha$	IL-6	PHORBO LESTER	IFN- $\gamma$	GLUCOCORTICOI	ENHANCER RESPONSE TO LPS IL-1 AND TNF
Pulmonary Epithelial	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	↑↑↑	-	↓↓↓	X
Pulmonary Microvascular Endothelial	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	↑↑↑	-	↓↓↓	X
Pulmonary Fibroblasts	↑↑↑	↑↑↑	↑↑↑	ND	ND	ND	ND	X
Pulmonary Artery Endothelial	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	ND	-	↓↓↓	X
Small Intestinal Epithelial	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	ND	-	↓↓↓	X
Small Intestinal Smooth Muscle	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	ND	-	ND	ND
Myenteric Neurons	↑↑↑↑	↑↑↑↑	↑↑↑↑	ND	ND	ND	ND	ND
Hepatocytes	-	-	-	↑↑↑↑	ND	↑↑↑↑	↓↓↓	ND
Hepatoma	-	-	-	↑↑↑↑	ND	↑↑↑↑	↓↓↓	ND
Glomerular Epithelial	↑↑↑↑	↑↑↑↑	↑↑↑↑	ND	↑↑↑	-	↓↓↓	ND
Mesangial	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	ND	-	ND	ND
Primary Neuronal	↑↑↑↑	↑↑↑↑	↑↑↑↑	-	ND	↑↑↑↑	ND	ND
Primary Glial	↑↑↑↑	↑↑↑↑	↑↑↑↑	ND	ND	↑↑↑↑	ND	X

↑↑↑↑ 15-20 Fold Induction    ↑↑ 5-10 Fold Induction    ↓↓ 75-80% Inhibition    ND No Data

Fig. 12